

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### FOIL and Factor pop quiz (version 18)

FOIL the expressions shown below:

1.  $(x + 1)(x + 7)$

$$x^2 + 8x + 7$$

2.  $(x - 4)(x + 9)$

$$x^2 + 5x - 36$$

3.  $(x + 2)(x + 3)$

$$x^2 + 5x + 6$$

4.  $(x + 8)(x - 6)$

$$x^2 + 2x - 48$$

5.  $(x - 2)(x + 4)$

$$x^2 + 2x - 8$$

**Factor the expressions shown below:**

6.  $x^2 - x - 12$

$$(x + 3)(x - 4)$$

7.  $x^2 - 10x + 9$

$$(x - 9)(x - 1)$$

8.  $x^2 + 7x + 6$

$$(x + 6)(x + 1)$$

9.  $x^2 - 7x + 6$

$$(x - 6)(x - 1)$$

10.  $x^2 - 2x - 15$

$$(x + 3)(x - 5)$$